

SUBSTITUTE PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

10/696,653

Filing Date

October 29, 2003

First Named Inventor

Michael A. DellaVecchia

Art Unit

3762

Examiner Name

Attorney Docket Number

P1145/20006

**ENCLOSURES (Check all that apply)**☐ Fee Transmittal Form (In duplicate)☐ Fee Attached☐ Amendment/Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/  
Incomplete Application☐ Response to Missing Parts  
under 37 CFR 1.52 or 1.53☐ Assignment and Cover Sheet☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a  
Provisional Application☐ Power of Attorney, Revocation☐ Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) \_\_\_\_\_

Remarks

☐ After Allowance communication  
to Technology Center (TC)☐ Appeal Communication to Board  
of Appeals and Interferences☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please  
Identify below):

- PTO Form 1449A

- Return Receipt Postcard

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm  
or  
Individual nameCaesar, Rivise, Bernstein, Cohen & Pokotilow, Ltd.  
Frank M. Linguiti, Esq.

Signature

Date

3/22/04

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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Frank M. Linguiti, Esq.

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Date

3/22/04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT EXAMINING OPERATION

Applicants: Michael A. DellaVecchia, et al.  
Serial No: 10/696,653                      Group Art Unit:  
Filed: October 29, 2003                      Examiner:  
Att. Docket No.: P1145/20006                      Confirmation No.: 7753

For: OPTIMIZING THE PROPERTIES OF ELECTROMAGNETIC ENERGY IN A  
MEDIUM USING STOCHASTIC PARALLEL PERTURBATION GRADIENT DESCENT  
OPTIMIZATION ADAPTIVE OPTICS

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. No representation is made that the references are prior art with respect to this application.

This Information Disclosure Statement is being filed within three months of the filing date of a national application other than a CPA under 37 CFR § 1.53(d), within three months of the date of entry of the national stage as set forth in 37 CFR § 1.491 in an international application, before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of an RCE under 37 CFR § 1.114. No certification or fee is required. 37 CFR § 1.97(b).

This application is a U.S. national patent application filed after June 30, 2003 or an international application that has entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, a copy of each cited U.S. patents and/or U.S. patent applications is not attached. 37 CFR 1.491(b).

March 22, 2004


Please charge or credit our Account  
No. 03-0075 as necessary to effect  
entry and/or ensure consideration of  
this submission.

Respectfully submitted,

CAESAR, RIVISE, BERNSTEIN,  
COHEN & POKOTILOW, LTD.

By Frank M. Linguiti

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Please type a plus sign (+) inside this box 

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheet as necessary)

Complete if Known

Application Number	10/696,653
Filing Date	October 29, 2003
First Named Inventor	Michael A. DellaVecchia
Group Art Unit	3762
Examiner Name	
Attorney Docket Number	P1145/20006

Sheet 1 of 3

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
		4,641,349		Flom, et al.	02/03/1987
		5,291,560		Daugman	03/01/1994
		5,359,669		Shanley, et al.	10/25/1994
		5,719,950		Osten, et al.	02/17/1998
		5,777,719		Williams, et al.	07/07/1998
		5,912,731		DeLong, et al.	06/15/1999
		5,949,521		William, et al.	09/07/1999
		6,007,204		Fahrenkrug, et al.	12/28/1999
		6,019,472		Koester, et al.	02/01/2000
		6,086,204		Magnante	07/11/2000
		6,095,651		Williams, et al.	08/01/2000
		6,143,011		Hood, et al.	11/07/2000

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

## **OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T

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		Number	Kind Code (if known)		
		6,155,684		Bille, et al.	12/05/2000
		6,289,113 B1		McHugh, et al.	09/11/2001
		6,305,803 B2		Sumiya	10/23/2001
		6,377,699 B1		Musgrave, et al.	04/23/2002
		6,526,160		Haruo	02/25/2003
		6,532,298 B1		Cambier, et al.	03/11/2003
		6,539,100		Amir, et al.	03/25/2003
		6,542,624		Oda	04/01/2003
		6,546,121		Oda	04/08/2003
		6,549,118		Seal, et al.	04/15/2003
		6,556,699		Rogers, et al.	04/29/2003
		6,594,377		Kim, et al.	07/15/2003
		6,614,919		Suzaki	09/02/2003

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		Office	Number	Kind Code (If known)			

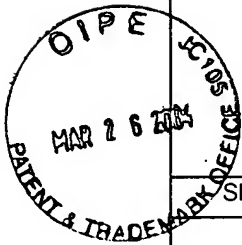
## **OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS**

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of

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		Number	Kind Code (if known)		
		20010026632A1		Tamai	10/04/2000
		20020080256A1		Bates, et al.	12/22/2002
		20030095689A1		Vollkommer, et al.	05/22/2003
		20030120934A1		Ortiz	06/26/2003
		20020057438A1		Decker	05/16/2002
		20020132663A1		Cumbers	09/19/2002
		20030018522A1		Denimarck, et al.	01/23/2003
		20020158750A1		Almalik	10/31/2002

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		Office	Number	Kind Code (If known)			

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